

ABSTRACT OF THE DISCLOSURE

This invention relates to an electron optical system array having a plurality of electron lenses.

5 The electron optical system array includes a plurality of electrode structures which are arranged along the paths of a plurality of charged-particle beams and have pluralities of apertures on the paths of the plurality of charged-particle beams. At least one of the

10 plurality of electrode structures includes a substrate having a plurality of apertures for transmitting the plurality of charged-particle beams, and a plurality of electrodes extending from the side surfaces of the plurality of apertures to the peripheries of the

15 plurality of apertures. At least the surface of the substrate is insulated.